

CLAIMS

1. An electromagnetic wave shielding sheet comprising:
a transparent substrate, and
a metal mesh layer laminated to one surface of the transparent substrate with an adhesive layer,
a first blackening layer containing copper being formed on one face of the metal mesh layer on the side of the transparent substrate, and a second anticorrosive layer containing one or more metals selected from chromium, nickel, and silicon being formed on the other face of the metal mesh layer on the side opposite to the transparent substrate.
2. The electromagnetic wave shielding sheet according to claim 1, further comprising,
a first anticorrosive layer containing one or more metals selected from chromium, nickel, and silicon being formed between the first blackening layer and the transparent substrate.
3. The electromagnetic wave shielding sheet according to claim 1, wherein
the side faces of the first blackening layer, the metal layer, and the second anticorrosive layer that are on the transparent substrate, and the front face of the second anticorrosive layer are fully covered with a second blackening layer.
4. The electromagnetic wave shielding sheet according to claim 2, wherein
the side faces of the first anticorrosive layer, the first blackening layer, the metal layer, and the second anticorrosive layer that are on the transparent substrate, and the front face of the second anticorrosive layer are fully covered with a second blackening layer.
5. The electromagnetic wave shielding sheet according to

claim 3 or 4, wherein

the second blackening layer is formed by plating, and comprises at least one metal selected from copper, cobalt, nickel, zinc, molybdenum, tin, and chromium, or a compound of any of these metals, or an alloy consisting of two or more of these metals.

6. A method for producing an electromagnetic wave shielding sheet, comprising the steps of:

preparing a metal layer,

successively forming a first blackening layer and a first anticorrosive layer on the face of the metal layer on the side of a transparent substrate,

forming a second anticorrosive layer on the other face of the metal layer on the side opposite to the transparent substrate,

laminating the metal layer and the transparent substrate with an adhesive layer, with the first anticorrosive layer facing the transparent substrate, to form a laminate, and

etching the laminate to make the metal layer into a mesh.

7. The method for producing an electromagnetic wave shielding sheet according to claim 6, wherein

at least either of the first anticorrosive layer and the second anticorrosive layer contains one or more metals selected from nickel, chromium, and silicon, and also zinc and/or tin when it is initially formed, and the zinc and/or tin is removed from the first anticorrosive layer and/or the second anticorrosive layer in the step of etching.

8. The method for producing an electromagnetic wave shielding sheet according to claim 6, wherein

after the step of etching, the side faces of the first anticorrosive layer, the first blackening layer, the metal layer, and the second anticorrosive layer that are in the laminate, and the front face of the second anticorrosive layer are fully covered with a second

blackening layer.